

July 21, 2008

GREAT LAKES INTERNATIONAL INCORPORATED
DIANA EGAN
1905 KEARNEY AVENUE
RACINE WI 53120

Re: Description: WATER TREATMENT DEVICE-REVERSE OSMOSIS
Manufacturer: GREAT LAKES INTERNATIONAL INCORPORATED
Product Name: REO-PURE EC SERIES (POU)
Model Number(s): EC-25 (3,4 and 5-stage), EC-50 (3,4 and 5-stage) AND
EC-100 (3,4 and 5-stage)
Product File No: 20070464

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of July 2013.

This approval supersedes the approval issued on October 9, 2002 under product file number 20020246.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.
- For buildings not served by a municipal water supply, Department of Natural Resources (DNR) written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.

➤ The system shall be provided with an in-line total dissolved solids (TDS) monitor, or other acceptable means, to warn the user when the system is not performing it's functions. Acceptable alternatives to an in-line TDS monitor include:

1. terminating the discharge of treated water;
2. sounding an alarm which is connected to acceptable power source;
3. flashing a light connected to an acceptable power source;
4. providing the user with an obvious, readily interpretable, indication of the system's ability to perform (e.g. decreasing the flow rate of treated water by 50% or more for systems making mechanical filtration claims;
5. providing a sampling service by the manufacturer, either directly or through an authorized dealer, a minimum of once every six months;
6. providing a sampling kit for analysis of TDS or other appropriate contaminants; or
7. providing a TDS monitor to measure the product water quality.

Whichever means of performance verification is selected, it shall be clearly described in the owner's manual for this device, and approved for use along with the device.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 3 of this letter and table 1 of 1.

AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20070464
TABLE 1 OF 1

Daily Production Rate: EC-25 (3,4 and 5-stage) = 48.8 Liters per day (Lpd) [12.9 gallons per day (gpd)]
EC-50 (3,4 and 5-stage) = 97.6 Lpd (25.8 gpd)
EC-100 (3,4 and 5-stage) = 146.4 Lpd (38.7 gpd)

Tested Contaminant	Influent Challenge (mg/L) ¹
Total Dissolved Solids (NaCl)	202

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted by the Engineering Department of Great Lakes International, Racine, WI. To qualify for TDS reduction, the device must reduce the influent challenge concentration by $\geq 75\%$. The maximum effluent TDS concentration during the testing is 6.0 mg/L, resulting in a minimum TDS reduction of 97% .

¹ = milligrams per liter (mg/L) are equivalent to parts per million (ppm)

\geq = greater than or equal to

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This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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GWS:gws